

A TABLE of Equations, FOR REDUCING The Unequality of NATURAL DAYS TO A MEAN and EQUAL TIME.

Designed chiefly in order to the more true Adjusting, and right Managing
of *Pendulum* CLOCKS and WATCHES.

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Day.	Janua. Sec.	Febru. Sec.	March Sec.	April Sec.	May. Sec.	June. Sec.	July. Sec.	Aug. Sec.	Sept. Sec.	Octob. Sec.	Nov. Sec.	Dec. Sec.
1	24	0	17	17	3	11	7	9	20	14	9	29
2	23	2	17	16	3	11	7	9	20	14	10	30
3	22	2	18	16	1	12	7	9	21	13	10	30
4	21	4	18	15	0	12	6	11	21	13	10	30
5	20	4	18	15	0	12	6	12	21	13	11	30
6	19	4	18	14	1	13	6	12	21	13	12	30
7	18	5	18	14	2	13	6	13	22	12	12	30
8	17	5	18	14	2	13	5	14	22	11	13	30
9	16	6	18	14	3	13	4	14	22	10	15	30
10	16	8	18	13	3	13	4	15	21	9	17	30
11	16	8	18	13	3	13	3	15	21	8	17	30
12	16	9	18	12	4	13	2	15	20	7	18	30
13	16	9	19	12	4	13	2	16	20	7	18	30
14	15	10	19	11	5	13	1	16	20	6	19	31
15	15	10	20	11	5	13	0	17	20	6	20	31
16	14	11	20	10	6	12	0	17	20	5	21	31
17	13	12	20	10	6	12	1	17	20	4	22	31
18	12	13	20	10	6	11	2	18	20	3	23	30
19	11	13	20	10	6	11	3	18	19	3	23	30
20	11	13	19	10	7	11	4	19	19	2	24	30
21	10	14	19	9	8	11	4	19	19	0	24	30
22	9	14	19	7	8	11	4	19	19	0	24	30
23	8	15	19	7	9	10	4	19	19	0	25	30
24	6	15	19	7	10	10	5	19	18	1	25	29
25	5	15	19	6	10	10	5	20	17	2	25	28
26	4	15	19	5	11	10	5	20	17	2	25	28
27	3	16	19	5	11	10	5	20	16	3	26	28
28	3	17	19	5	11	9	6	20	16	4	26	27
29	2		19	4	11	9	7	20	15	6	27	27
30	1		18	4	11	8	8	20	15	7	27	25
31	0		17		11		9	20		8		24
	Clocks gain this Month Min. Sec.	Clocks lose this Month Min. Sec.	Clocks lose this Month Min. Sec.	Clocks lose this Month Min. Sec.	Clocks gain this Month Min. Sec.	Clocks gain this Month Min. Sec.	Clocks lose this Month Min. Sec.	Clocks lose this Month Min. Sec.	Clocks lose this Month Min. Sec.	Clocks lose this Month Min. Sec.	Clocks gain this Month Min. Sec.	Clocks gain this Month Min. Sec.
Sum	6 26	4 29	9 37	5 16	2 47	5 43	0 6	8 23	9 41	2 20	9 38	15 9

This Table contains those Seconds of Time that each natural Day is either longer or shorter than the mean or equal day, or such a one as contains in length the just time of 24 hours; from which Mean Day the Natural ones differing almost continually in length, this Table shall still give you the difference between them, and (by inspection only) inform you what quantity of time each natural day is either more than 24 hours long, or less.

Note, That upon each particular day, a Clock that is well adjusted to a mean or 24 hour day, shall then either gain or lose just so much time, as that natural day is either longer or shorter than the mean day:

Therefore, if a Clock, having been first set right to the Sun the first day of any particular Month, shall either gain or lose in that whole Month so much in time as the whole sum of Equations for that Month amounts to, (which you shall find noted down at the bottom of every particular Column) then is it well adjusted to the mean, Equal or 24 hour Day; but if it have not either got or lost so much as the whole sum of Equations for the whole time it has gone in do's amount to, then must its motion be regulated as occasion requires, by skrewing up the Bob to make it go faster, in case it has not got enough; or else letting the Bob down lower, to make it go slower, in case it hath not lost so much as the whole sum of Equations do amount to for the time it has gone in.

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